

		ASSEMBLY NO:			DATE:	03-02-21				
		ASSEMBLY REVISION:	Transmitter A		PREPARED BY:	David Flory				
		SOLDER TYPE:	Lead-Free		VERIFIED BY:	Franci Franulovic				
ITEM	QTY	REFERENCE	DESCRIPTION	MFG	MFG P/N	VENDOR	VENDOR P/N	Datasheet URL	NOTES	Unit Price
1	1	R42	Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt ZEROhm Jumper	Vishay	CRCW0805000020EA	Mouser	71-CRCW0805-0-E3	https://www.mouser.com/datasheet/2/427/dcrwe3-1762152.pdf		\$0.10
2	1	R8	Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt 20ohms 1% 100ppm	Vishay	CRCW080520R0FKEA	Mouser	71-CRCW0805-20-E3	https://www.mouser.com/datasheet/2/427/dcrwe3-1762152.pdf		\$0.10
3	1	R23	Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt 40.2ohms 1% 100ppm	Vishay	CRCW080540R2FKTA	Mouser	71-CRCW0805-40.2	https://www.mouser.com/datasheet/2/427/dcrwe3-1762150.pdf		\$0.16
4	2	R31, R32	Thick Film Resistors - SMD Thick Film Resistors - SMD 0805 47.0ohms 1% Tol AEC-Q200	Panasonic	ERJ-6ENF47R0V	Mouser	667-ERJ-6ENF47R0V	https://www.mouser.com/datasheet/2/315/AOA0000C304-1149620.pdf		\$0.10
5	8	R1, R7, R9, R10, R11, R12, R13, R14	Thick Film Resistors - SMD Thick Film Resistors - SMD 470 OHM 1%	Yageo	RC0805FR-07470RL	Mouser	603-RC0805FR-07470RL	https://www.mouser.com/datasheet/2/447/PYu_RC_Group_51_RoHS_L_10-1664068.pdf		\$0.13
6	4	TP1, TP2, TP3, TP4	Circuit Board Hardware - PCB Circuit Board Hardware - PCB TEST POINT BLACK	Keystone Electronics	5001	Mouser	534-5001	https://www.mouser.com/datasheet/2/215/000-5004-741181.pdf		\$0.35
7	1	P5	Headers & Wire Housings Headers & Wire Housings WR-PHD 2.54mm Hdr 16P Single Str Gold	Wurth Elektronik	61301611121	Mouser	710-61301611121	https://www.mouser.com/datasheet/2/445/61301611121-1717958.pdf		\$0.90
8	4	D13, D14, D15, D16	ESD Suppressors / TVS Diodes ESD Suppressors / TVS Diodes Low Cap Bi TVS 10pF 3.3V 3.8Vbr 25kV	Diodes Incorporated	DESD3V3S1BL-7B	Mouser	621-DESD3V3S1BL-7B	https://www.mouser.com/datasheet/2/115/DESD3V3S1BL-321080.pdf		\$0.29
9	16	C2, C4, C6, C14, C19, C25, C29, C33, C37, C40, C47, C48, C49, C50, C51, C52, C53	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 0.1uF X7R 0805 10%	KEMET	C0805C104K5RACTU	Mouser	80-C0805C104K5R	https://www.mouser.com/datasheet/2/212/KEM_C1002_X7R_SM-D-1102033.pdf		\$0.13
10	1	C13	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 470nF 16V X7R 10%	Yageo	CC0805KKX7R7BB474	Mouser	603-CC0805KKX7R7BB474	https://www.mouser.com/datasheet/2/447/UPY-GPHC_X7R_6.3V-to-50V_18-1154002.pdf		\$0.23
11	2	C35, C45	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0805 1.6pF 250volts COG 0.1pF	Murata	GQM2195C2E1R6BB12D	Mouser	81-GQM2195C2E1R6BB2D	https://www.mouser.com/datasheet/2/281/GQM2195C2E1R6BB12_01-1976051.pdf		
12	3	C36, C38, C46	Multilayer Ceramic Capacitors MLCC - SMD/SMT 10volts 10uF X5R 10%	KEMET	C0805C106K8PACTU	Mouser	80-C0805C106K8P	https://www.mouser.com/datasheet/2/212/KEM_C1006_X5R_SM-D-1103249.pdf		\$0.14
13	1	R24	Thin Film Resistors - SMD Thin Film Resistors - SMD 1/8W 105K ohm .1% 25ppm	Yageo	RT0805BRD07105KL	Mouser	603-RT0805BRD07105KL	https://www.mouser.com/datasheet/2/447/PYu_RT_1_to_0_01_RoHS_L_11-1669912.pdf		\$0.43
14	6	R2, R3, R4, R5, R21, R22	Thick Film Resistors - SMD Thick Film Resistors - SMD 10K OHM 1%	Yageo	RC0805FR-0710KL	Mouser	603-RC0805FR-0710KL	https://www.mouser.com/datasheet/2/447/PYu_RC_Group_51_RoHS_L_10-1664068.pdf		\$0.13
15	1	R29	Thick Film Resistors - SMD Thick Film Resistors - SMD 10K 5%	Bourns	CR0805-JW-103ELF	Mouser	652-CR0805-JW-103ELF	https://www.mouser.com/datasheet/2/54/crxxxx-1858361.pdf		\$0.10
16	6	C20, C26, C30, C31, C41, C42	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 1206 50V 10uF X5R 10% T: 1.6mm	TDK	C3216X5R1H106K160AB	Mouser	810-C3216X5R1H106K	https://product.tdk.com/info/en/catalog/datasheets/mlcc_commercial_general_en.pdf?ref_disty=mouser		\$0.85
17	2	C10, C11	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 12pF COG 0805 5%	KEMET	C0805C120J5GACTU	Mouser	80-C0805C120J5G	https://www.mouser.com/datasheet/2/212/KEM_C1003_COG_SM-D-1101588.pdf		\$0.11
18	1	Y2	Standard Clock Oscillators Standard Clock Oscillators 13.56MHz 50ppm -40C +85C	Epson	SG5032CAN 13.560000M-TJGA3	Mouser	732-5032CAN13.5TJGA3	https://www.mouser.com/datasheet/2/137/SG5032CAN_en-961596.pdf		\$1.17
19	1	R20	Thick Film Resistors - SMD Thick Film Resistors - SMD 1K OHM 1%	Yageo	RC0805FR-071KL	Mouser	603-RC0805FR-071KL	https://www.mouser.com/datasheet/2/447/PYu_RC_Group_51_RoHS_L_10-1664068.pdf		\$0.13
20	2	R35, R40	Thick Film Resistors - SMD Thick Film Resistors - SMD 2512 1Kohms 1% Tol AEC-Q200	Panasonic	ERJ-1TNF1001U	Mouser	667-ERJ-1TNF1001U	https://www.mouser.com/datasheet/2/315/AOA0000C304-1149620.pdf		\$0.63
21	2	R36, R41	Thick Film Resistors - SMD Thick Film Resistors - SMD 0805 1Kohms 5% AEC-Q200	Panasonic	ERJ-6GEYJ102V	Mouser	667-ERJ-6GEYJ102V	https://www.mouser.com/datasheet/2/315/AOA0000C301-1488782.pdf		\$0.10

22	2	R30, R37	Thick Film Resistors - SMD Thick Film Resistors - SMD 2512 1Mohms 1% Tol AEC-Q200	Panasonic	ERJ-1TYF105U	Mouser	667-ERJ-1TYF105U	https://www.mouser.com/datasheet/2/315/AOA0000C301-1488782.pdf		\$0.46
23	3	R33, R34, R39	Thick Film Resistors - SMD 0805 1.0Mohms 0.5W 1% Tol AEC-Q200	Panasonic	ERJ-P06F1004V	Mouser	667-ERJ-P06F1004V	https://www.mouser.com/datasheet/2/315/AOA0000C331-1141874.pdf		\$0.18
24	4	C1, C3, C5, C7	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 1.0uF 10V X7R 10%	Yageo	CC0805KKX7R6BB105	Mouser	603-CC0805KKX7R6BB105	https://www.mouser.com/datasheet/2/447/UPY-GPHC_X7R_6.3V-to-50V_18-1154002.pdf		\$0.25
25	1	C12	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 2200pF X8R 0805 5%	KEMET	C0805C222J5HACTU	Mouser	80-C0805C222J5H	https://www.mouser.com/datasheet/2/212/KEM_C1007_X8R_ULT_RA_150C_SMD-1102703.pdf		\$0.69
26	3	C16, C17, C18	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 1210 100V 2.2uF X7R 10% T: 2.3mm	TDK	C3225X7R2A225K230AB	Mouser	810-C3225X7R2A225K	https://product.tdk.com/info/en/catalog/datasheets/mlcc_commercial_midvoltage_en.pdf?ref_disty=mouser		\$0.70
27	4	JP1, P2, P4, P6	Headers & Wire Housings Headers & Wire Housings 3P VERT HEADER Sn	Molex	22-28-4030	Mouser	538-22-28-4030	https://www.mouser.com/datasheet/2/276/0022284030_PCB_HEADERS-228162.pdf		\$0.16
28	1	R27	Thin Film Resistors - SMD Thin Film Resistors - SMD 1/8W 28.7K ohm 1% 50ppm	Yageo	RT0805FRE0728K7L	Mouser	603-RT0805FRE0728K7L	https://www.mouser.com/datasheet/2/447/PYu_RT_1_to_0_01_RoHS_L_11-1669912.pdf		\$0.12
29	1	R26	Thin Film Resistors - SMD Thin Film Resistors - SMD 1/8W 3.4K ohm .1% 25ppm	Yageo	RT0805BRD073K4L	Mouser	603-RT0805BRD073K4L	https://www.mouser.com/datasheet/2/447/PYu_RT_1_to_0_01_RoHS_L_11-1669912.pdf		\$0.43
30	1	R19	Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt 30Kohms 1% 100ppm	Vishay	CRCW080530K0FKEA	Mouser	71-CRCW0805-30K-E3	https://www.mouser.com/datasheet/2/427/dcrwc3-1762152.pdf		\$0.10
31	0	Y1	Crystals Crystals 32.768KHZ 10PPM 7PF -40C +85C	ABRACON	ABS07-166-32.768KHZ-T	Mouser	815-ABS0716632.768KT			\$0.66
32	1	Alternate Y1	Crystals 32.768kHz 6pF -40C +85C	ECS	ECS-327-6-34G-TR	Mouser	520-327-6-34GT	https://www.mouser.com/datasheet/2/122/ECX-34G-1064121.pdf		\$0.74
33	1	L1	Fixed Inductors Fixed Inductors WE-PD 330uH 710mA DCR=750mOhms AECQ200	Würth Elektronik	7447714331	Mouser	710-7447714331	https://www.mouser.com/datasheet/2/445/7447714331-1722496.pdf		\$2.17
34	1	J2	Headers & Wire Housings Headers & Wire Housings FRICTION LCK HDR 5P Straight Post gold	TE Connectivity	3-641215-5	Mouser	571-3-641215-5	https://www.te.com/commerce/DocumentDelivery/DDEController?Action=srchrtrv&DocNm=641215&DocType=Customer+Drawing&DocLang=English&PartCntxt=3-641215-5&DocFormat=pdf		\$1.45
35	1	R25	Thin Film Resistors - SMD 365Kohms .1% 25ppm	Vishay	TNPW0805365KBEEN	Mouser	71-TNPW0805365KBEEN	https://www.vishay.com/doc?28771		
36	1	C22	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 36pF COG 0805 5%	KEMET	C0805C360J5GACTU	Mouser	80-C0805C360J5G	https://www.mouser.com/datasheet/2/212/KEM_C1003_COG_SM-D-1101588.pdf		\$0.29
37	2	C8, C9	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 39pF COG 0805 5%	KEMET	C0805C390J5GACTU	Mouser	80-C0805C390J5G	https://www.mouser.com/datasheet/2/212/KEM_C1003_COG_SM-D-1101588.pdf		\$0.24
38	4	R6, R15, R17, R18	Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt 4.7Kohms 5% 200ppm	Vishay	CRCW08054K70JNTA	Mouser	71-CRCW0805J-4.7K	https://www.mouser.com/datasheet/2/427/dcrwc-1762150.pdf		\$0.12
39	1	R16	Thick Film Resistors - SMD Thick Film Resistors - SMD 1/8watt 47Kohms 1% 100ppm	Vishay	CRCW080547K0FKEA	Mouser	71-CRCW0805-47K-E3	https://www.mouser.com/datasheet/2/427/dcrwc3-1762152.pdf		\$0.10
40	1	C24	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 25V 0.047uF COG 0805 5%	KEMET	C0805C473J3GACTU	Mouser	80-C0805C473J3G	https://www.mouser.com/datasheet/2/212/KEM_C1003_COG_SM-D-1101588.pdf		\$0.72
41	2	C21, C27	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 1206 25VDC 47uF 20% X5R 1.6mm	TDK	C3216X5R1E476M160AC	Mouser	810-C3216X5R1E476M	https://product.tdk.com/info/en/catalog/datasheets/mlcc_commercial_general_en.pdf?ref_disty=mouser		\$1.05
42	1	C23	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0.0068uF 50Volts COG 1%	Murata	GRM2195C1H682FA01D	Mouser	81-GRM2195C1H682FA1D	https://www.mouser.com/datasheet/2/281/murata_03052018_GRM_Series_1-1310166.pdf		
43	1	R28	Thin Film Resistors - SMD 0805 732Kohm 0.1% 25ppm	Panasonic	ERA-6AEB7323V	Mouser	667-ERA-6AEB7323V	https://www.mouser.com/datasheet/2/315/AOA0000C307-1149632.pdf		
44	1	X1	Crystals Crystals 8MHz 20pF	Fox	FOXSDLF/080-20	Mouser	559-FOXSD080-20-LF	https://www.mouser.com/datasheet/2/160/C45D-1131563.pdf		\$0.27

45	6	SW1, SW2, SW3, SW4, SW5, SW6	Tactile Switches Tactile Switches Top Actuated w/o boss w/o ground	Omron	B3U-1000P	Mouser	653-B3U-1000P	https://www.mouser.com/datasheet/2/307/en-b3u-3615.pdf	\$0.92
46	2	D20, D21	Schottky Diodes & Rectifiers Schottky Diodes & Rectifiers Silicon Schottky Diode	Infineon	BAS140WE6327HTSA1	Mouser	726-BAS140WE6327HTSA	https://www.mouser.com/datasheet/2/196/Infineon-BAS40_BAS140SERIES-DS-v01_01-en-767893.pdf	\$0.48
47	2	C28, C39	Trimmer / Variable Capacitors Trimmer / Variable Capacitors TRIMMER CAPACITOR	Vishay	BFC280832659	Mouser	594-2222-808-32659	https://www.vishay.com/doc?28528	\$7.21
48	4	C32, C34, C43, C44	Multilayer Ceramic Capacitors MLCC - SMD/SMT Multilayer Ceramic Capacitors MLCC - SMD/SMT 100pF 1KV C0G 5%	Vishay	VJ1812A101JXGAT	Mouser	77-VJ1812A101JXGAT	https://www.mouser.com/datasheet/2/427/vjcommercialseries-1764145.pdf	\$0.76
49	1	C15	Aluminum Organic Polymer Capacitors Aluminum Organic Polymer Capacitors 50volts 68uF ESR 20mohm	Panasonic	50SVPF68M	Mouser	667-50SVPF68M	https://www.mouser.com/datasheet/2/315/AA88000C177-947360.pdf	\$2.65
50	6	D3, D4, D11, D12, D17, D18	ESD Suppressors / TVS Diodes ESD Suppressors / TVS Diodes Low Cap Bi TVS 10pF 3.3V 3.8Vbr 25kV	Diodes Incorporated	DESD3V3S1BL-7B	Mouser	621-DESD3V3S1BL-7B	https://www.mouser.com/datasheet/2/115/DESD3V3S1BL-321080.pdf	\$0.29
51	1	R38	Thick Film Resistors - SMD Thick Film Resistors - SMD 0805 47.0ohms 1% Tol AEC-Q200	Panasonic	ERJ-6ENF47R0V	Mouser	667-ERJ-6ENF47R0V	https://www.mouser.com/datasheet/2/315/AOA0000C304-1149620.pdf	\$0.10
52	1	Q1	N-Channel 200V 8.5A (Ta) Surface Mount Die	EPC	EPC2019	Digikey	917-1087-2-ND	https://epc-co.com/epc/Portals/0/epc/documents/datasheets/EPC2019_datasheet.pdf	3.54
53	1	Q2	N-Channel 200V 48A (Ta) Surface Mount Die	EPC	EPC2034C	Digikey	917-1214-2-ND	https://epc-co.com/epc/Portals/0/epc/documents/datasheets/EPC2034C_data sheet.pdf	7.32
54	2	L4, L5	Fixed Inductors Fixed Inductors 47uH 20%	Vishay	IHLPA4040DZER470M11	Mouser	71-IHLPA4040DZER470M1	http://www.vishay.com/doc?34251	\$2.58
55	1	J1	DC Power Connectors DC Power Connectors 4P JACK SKT SHIELDED SNAP AND LOCK	Kycon	KPIX-4S-S	Mouser	806-KPIX-4S-S	https://www.snapeda.com/parts/KPIX-4S-S/Kycon/view-part/?ref=mouser	\$2.23
56	1	U11	Gate Drivers Gate Drivers Tiny 7A MOSFET Gate Dvr Non-Isolated DC/DC Converters Non-Isolated DC/DC Converters	Texas Instruments	LM5112MY/NOPB	Mouser	926-LM5112MY/NOPB	https://www.ti.com/lit/pdf/snva606	\$1.31
57	1	U9	Non-Isolated DC/DC Converters Non-Isolated DC/DC Converters	Texas Instruments	LMZM23600V3SILR	Mouser	595-LMZM23600V3SILR	https://www.ti.com/lit/pdf/snva807a	\$4.52
58	1	U10	Non-Isolated DC/DC Converters Non-Isolated DC/DC Converters	Texas Instruments	LMZM23600V5SILR	Mouser	595-LMZM23600V5SILR	https://www.ti.com/lit/pdf/snva807a	\$4.52
59	1	U1	Supervisory Circuits Supervisory Circuits Open Drain Digital Potentiometer ICs Digital Potentiometer ICs Sngl 7B V I2C POT	Microchip	MCP111T-240E/TT	Mouser	579-MCP111T-240E/TT	https://www.mouser.com/datasheet/2/268/21889b-64653.pdf	\$0.47
60	1	U7	Digital Potentiometer ICs Digital Potentiometer ICs Sngl 7B V I2C POT	Microchip	MCP4531-103E/MS	Mouser	579-MCP4531-103E/MS	https://www.mouser.com/datasheet/2/268/DS-22096a-36447.pdf	\$0.70
61	1	U5	Operational Amplifiers - Op Amps Operational Amplifiers - Op Amps Single 1.8V 1MHz	Microchip	MCP6001T-I/OT	Mouser	579-MCP6001T-I/OT	https://www.mouser.com/datasheet/2/268/21733j-740845.pdf	\$0.24
62	2	L2, L3	Ferrite Beads Ferrite Beads 600 ohms 25% HIGH CURRENT	Bourns	MH3261-601Y	Mouser	652-MH3261-601Y	https://www.mouser.com/datasheet/2/54/mh-777565.pdf	\$0.10
63	2	F2, F3	Resettable Fuses - PPTC Resettable Fuses - PPTC .5A 13.2V 40A Imax	Littelfuse	MICROSMDO50F-2	Mouser	650-MICROSMDO50F-2	https://www.mouser.com/datasheet/2/240/Littelfuse_PTC_MICRO_SMD_Catalog_Datasheet.pdf-1021745.pdf	\$0.47
64	1	U2	16-bit Microcontrollers - MCU 16-bit Microcontrollers - MCU	Texas Instruments	MSP430FR5994IPM	Mouser	595-MSP430FR5994IPM	https://www.ti.com/lit/pdf/slaa722	\$8.11
65	1	U6	Gate Drivers Gate Drivers 12V Industrial Relay Inductive Load	ON Semiconductor	NUD3112LT1G	Mouser	863-NUD3112LT1G	http://www.onsemi.com/pub/Collateral/AND8116-D.PDF	\$0.44
66	1	F1	Resettable Fuses - PPTC Resettable Fuses - PPTC Radial Lead 2.5A 72V 40A Imax	Littelfuse	RXEF250	Mouser	650-RXEF250	https://www.mouser.com/datasheet/2/240/Littelfuse_PTC_Rline_Catalog_Datasheet.pdf-1021735.pdf	\$0.63
67	2	P7, P9	Headers & Wire Housings Headers & Wire Housings WR-PHD 2.54mm SMT 6P Hdr Dual Strt	Würth Elektronik	61000621121	Mouser	710-61000621121	https://www.mouser.com/datasheet/2/445/61000621121-1717892.pdf	\$0.93
68	1	D19	Schottky Diodes & Rectifiers Schottky Diodes & Rectifiers 3.0 Amp 100 Volt	Vishay	SS3H10-E3/57T	Mouser	625-SS3H10-E3	https://www.mouser.com/datasheet/2/427/ss3h9-1768234.pdf	\$0.60
69	1	U8	Switching Voltage Regulators Switching Voltage Regulators 3.5-60V 2.5A 2.5MHz Step Down Converter	Texas Instruments	TP5S4260DGQR	Mouser	595-TP5S4260DGQR	https://www.ti.com/lit/pdf/slva464e	\$3.50
70	1	U3	Translation - Voltage Levels Translation - Voltage Levels 4-Bit Bi-directional V-Level Translator	Texas Instruments	TXB0104PWR	Mouser	595-TXB0104PWR	https://www.ti.com/lit/pdf/scea064	\$0.93
71	1	U4	Translation - Voltage Levels Translation - Voltage Levels 8-Bit Bi-directional V-Level Translator	Texas Instruments	TXB0108PWR	Mouser	595-TXB0108PWR	http://www.ti.com/general/docs/suppproductinfo.tsp?distid=26&gotoUrl=http%3A%2F%2Fwww.ti.com%2Flit%2Fgpn%2Ftxb0108	\$1.29

72	1	L1A	Fixed Inductors Fixed Inductors 330uH Shld 10% 1.7A 360mOhms AECQ2	Coilcraft	MSS1210-334KED	Mouser	994-MSS1210-334KED	https://www.mouser.com/datasheet/2/597/mss1210-270677.pdf		\$2.26
73	1	L1B	Fixed Inductors Fixed Inductors WE-PD 330uH 1.5A DCR=430mOhms AECQ200	Würth Elektronik	7447709331	Mouser	710-7447709331	https://www.mouser.com/datasheet/2/445/7447709331-1722838.pdf		\$2.41
74	1	L1C	Fixed Inductors Fixed Inductors PA4320 12x12mm 330uH 1.7A 340mOhms	Pulse	PA4320.334NLT	Mouser	673-PA4320.334NLT	https://www.mouser.com/datasheet/2/336/P787-1526943.pdf		\$2.57
75	8	D1, D2, D5, D6, D7, D8, D9, D10	Standard LEDs - SMD Standard LEDs - SMD Red Diffused 626nm 10mcd	Broadcom Limited	HSMS-C150	Mouser	630-HSMS-C150	https://www.mouser.com/datasheet/2/678/av02-0551en-ds-hsmx-cxxx-05mar2012-1827675.pdf		\$0.41
76	1	MD1	Bluetooth Modules (802.15.1) Bluetooth Modules (802.15.1) Bluetooth Low Energy BLE Module, Shielded, Antenna, ASCII Interface, 12x22mm	Microchip	RN4870-I/RM140	Mouser	579-RN4870-I/RM140	https://www.mouser.com/datasheet/2/268/RN4870-71-Bluetooth-Low-Energy-Module-Data-Sheet-D-1658564.pdf		\$7.38
77	1	P3	Headers & Wire Housings Headers & Wire Housings WR- PHD1.27mm Hdr 14P Dual Str Gold	Würth Elektronik	62201421121	Mouser	710-62201421121	https://www.mouser.com/datasheet/2/445/62201421121-1718302.pdf		\$1.48